

TABLE 22

Preliminary federal obligations for research, by agency and performer: FY 2022

(Dollars in thousands)

Agency	Total	Intramural		Extramural				
		Federal agencies ^a	FFRDCs	United States and U.S. territories				Non-U.S. performers
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
All agencies	88,464,235	18,352,110	10,789,194	10,527,501	37,604,715	9,839,414	848,835	502,464
Departments								
Department of Agriculture	3,017,477	1,701,513	0	30,665	1,167,432	101,443	11,627	4,797
Agricultural Marketing Service	7,484	4,050	0	0	2,659	302	350	123
Agricultural Research Service	1,439,100	1,297,308	0	0	128,291	9,071	150	4,279
Animal and Plant Health Inspection Service	23,363	16,789	0	0	6,574	0	0	0
Economic Research Service	90,389	79,833	0	*	8,247	2,263	0	0
Forest Service	289,864	262,448	0	312	16,334	4,067	6,309	395
National Agricultural Statistics Service	6,327	5,796	0	0	58	473	0	0
National Institute of Food and Agriculture	1,147,558	22,790	0	30,307	1,004,492	85,266	4,703	0
Natural Resources Conservation Service	13,393	12,500	0	0	778	0	115	0
Department of Commerce	1,760,243	1,288,547	19,132	70,265	356,737	19,415	5,014	1,133
Census Bureau	110,367	110,367	0	0	0	0	0	0
National Institute of Standards and Technology	817,126	717,117	19,098	35,505	36,973	7,307	*	1,117
National Oceanic and Atmospheric Administration	825,550	453,864	*	34,760	319,764	12,108	5,005	*
National Telecommunications and Information Administration	7,200	7,200	0	0	0	0	0	0
Department of Defense	10,377,359	2,922,377	1,053,880	3,138,779	2,749,880	411,630	7,833	92,982
Defense Advanced Research Projects Agency	1,996,794	106,227	77,585	1,014,651	609,423	157,940	333	30,635
Defense Health Agency	174,400	47,527	2,636	32,908	44,242	45,609	0	1,479
Department of the Air Force	2,421,989	658,576	85,996	877,000	738,346	34,486	1,687	25,899
Department of the Army	2,088,619	981,211	53,987	536,093	457,205	49,529	0	10,593
Department of the Navy	2,081,951	856,639	18,728	284,431	789,119	103,719	5,812	23,501
Space Force	76,353	6,714	6,131	58,723	4,785	0	0	0
Other defense agencies	1,537,252	265,483	808,817	334,972	106,758	20,348	0	873
Department of Education	293,433	0	0	18,662	151,132	95,363	28,276	0
Department of Energy	10,470,369	1,153,412	7,314,864	624,227	1,321,583	24,792	30,791	700
Advanced Research Projects Agency—Energy	225,000	0	25,267	116,803	76,327	6,603	0	0
Electricity Delivery and Energy Reliability	67,762	1,569	48,550	7,860	4,781	4,789	212	0
Energy Efficiency and Renewable Energy	677,946	0	291,517	210,163	169,487	0	6,779	0
Environmental Management	11,550	0	9,702	0	1,848	0	0	0
Fossil Energy	736,176	635,008	45,517	0	55,405	0	0	247

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National Nuclear Security Administration	2,526,955	313,418	2,011,100	183,193	19,245	0	0	0
Defense Programs	2,257,778	309,723	1,773,810	170,050	4,195	0	0	0
Office of Defense Nuclear Nonproliferation	269,177	3,695	237,290	13,142	15,050	0	0	0
Nuclear Energy	330,824	1,135	242,650	42,814	38,273	5,499	0	453
Office of Cybersecurity, Energy Security, and Emergency Response	98,751	86,585	12,166	0	0	0	0	0
Office of Science	5,795,405	115,697	4,628,396	63,394	956,218	7,901	23,799	0
Department of Health and Human Services	42,670,457	6,832,941	726,269	2,785,853	24,515,357	6,931,969	561,957	316,111
Administration for Children and Families	4,265	915	0	0	1,800	1,550	0	0
Administration for Community Living	110,863	0	0	3,299	87,531	19,564	468	0
Agency for Healthcare Research and Quality	314,345	54,070	0	131,883	98,720	29,580	92	0
Agency for Toxic Substances and Disease Registry	10,935	0	0	0	6,686	2,500	1,250	500
Centers for Disease Control and Prevention	648,587	94,981	0	123,118	247,725	104,452	34,941	43,369
Centers for Medicare and Medicaid Services	420,703	0	0	10,793	1,982	6,608	401,319	0
Food and Drug Administration	669,007	516,699	0	13,991	79,147	50,257	2,601	6,311
Health Resources and Services Administration	38,189	4,655	0	567	31,903	1,063	0	0
National Institutes of Health	40,436,064	6,158,421	726,269	2,496,901	23,957,362	6,709,894	121,287	265,931
Office of the Secretary of Health and Human Services	17,500	3,200	0	5,300	2,500	6,500	0	0
Office of the Assistant Secretary for Planning and Evaluation	17,500	3,200	0	5,300	2,500	6,500	0	0
Department of Homeland Security	315,700	120,244	17,959	138,530	35,012	3,232	0	723
Coast Guard	2,243	0	0	2,243	0	0	0	0
Countering Weapons of Mass Destruction Office	30,955	4,171	892	12,346	12,823	0	0	723
Cybersecurity and Infrastructure Security Agency	3,502	1,790	0	0	0	1,712	0	0
Science and Technology Directorate	277,000	112,282	17,068	123,941	22,189	1,520	0	0
Transportation Security Administration	2,000	2,000	0	0	0	0	0	0
Department of the Interior	991,033	851,438	150	15,914	87,377	6,389	29,113	653
Bureau of Indian Affairs	4,000	0	0	0	0	0	4,000	0

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Bureau of Land Management	10,583	3,859	0	97	5,118	1,310	199	0
Bureau of Ocean Energy Management	67,918	50,852	0	5,837	5,458	3,397	1,821	553
Bureau of Reclamation	21,500	15,500	0	4,000	1,400	0	500	100
Bureau of Safety and Environmental Enforcement	15,518	5,818	150	4,948	4,347	255	0	0
Fish and Wildlife Service	32,650	32,650	0	0	0	0	0	0
Geological Survey	811,642	729,148	0	1,032	57,443	1,427	22,593	0
National Park Service	27,222	13,611	0	0	13,611	0	0	0
Department of Justice	82,297	9,824	0	9,188	33,342	29,513	430	0
Bureau of Prisons	*	*	0	0	0	0	0	0
Federal Bureau of Investigation	5,396	0	0	5,396	0	0	0	0
Office of Justice Programs	76,899	9,822	0	3,792	33,342	29,513	430	0
Department of Labor	3,803	2,831	0	972	0	0	0	0
Employee Benefits Security Administration	1,569	597	0	972	0	0	0	0
Occupational Safety and Health Administration	2,234	2,234	0	0	0	0	0	0
Department of State	47,000	47,000	0	0	0	0	0	0
Department of Transportation	812,341	158,693	7,579	276,073	177,167	47,409	143,040	2,379
Federal Aviation Administration	271,685	66,590	3,797	111,033	69,800	18,085	0	2,379
Federal Highway Administration	361,044	54,573	468	95,793	83,769	10,401	116,040	0
Federal Motor Carrier Safety Administration	15,000	5,200	1,500	4,500	3,700	100	0	0
Federal Railroad Administration	42,112	9,178	1,815	12,574	7,898	10,648	0	0
Federal Transit Administration	33,000	0	0	0	1,000	5,000	27,000	0
National Highway Traffic Safety Administration	50,000	0	0	42,550	7,000	450	0	0
Office of the Secretary of Transportation	15,022	14,797	0	0	0	225	0	0
Pipeline and Hazardous Materials Safety Administration	24,479	8,356	0	9,623	4,000	2,500	0	0
Department of the Treasury	50,034	2,503	9,053	18,778	0	0	0	19,700
Bureau of Engraving and Printing	49,981	2,500	9,003	18,778	0	0	0	19,700
Mint	53	*	50	0	0	0	0	0
Department of Veterans Affairs	1,673,109	1,673,109	0	0	0	0	0	0
Other agencies								
Administrative Office of the U.S. Courts	1,443	0	1,443	0	0	0	0	0
Agency for Global Media	7,884	0	0	7,884	0	0	0	0

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Agency for International Development	51,211	5,985	0	12,961	2,975	15,840	0	13,450
Appalachian Regional Commission	122	0	0	0	*	108	0	0
Consumer Product Safety Commission	440	440	0	0	0	0	0	0
Environmental Protection Agency	406,371	230,160	0	118,617	42,496	15,099	0	0
Federal Trade Commission	8,571	8,571	0	0	0	0	0	0
Library of Congress	493	493	0	0	0	0	0	0
National Aeronautics and Space Administration	7,598,407	1,150,832	1,301,090	2,653,693	1,152,257	1,310,745	2,877	26,912
National Science Foundation	7,035,853	8,315	312,858	536,299	5,798,312	338,689	20,918	20,462
Nuclear Regulatory Commission	78,147	36,899	24,918	6,821	6,344	703	0	2,462
Patient-Centered Outcomes Research Trust Fund	481,465	0	0	0	0	481,465	0	0
Postal Service	15,702	0	0	15,702	0	0	0	0
RESTORE Act Centers of Excellence Research Grants Program	6,960	0	0	0	0	0	6,960	0
Smithsonian Institution	95,000	95,000	0	0	0	0	0	0
Social Security Administration	98,560	50,984	0	37,126	7,300	3,150	0	0
Tennessee Valley Authority	12,952	0	0	10,491	0	2,461	0	0

* = amount greater than \$0 but less than \$50,000.

FFRDC = federally funded research and development center.

^a Federal agencies' activities cover costs associated with the administration of federal R&D performance and R&D procurements from nonfederal performers by federal personnel, transfers of funds to other federal agencies for purposes related to R&D, and as actual federal performance.^b Higher education includes both public and private institutions as well as University Affiliated Research Centers.**Note(s):**

Because of rounding, detail may not add to total. As of volume 71 (FYs 2021–22), FFRDCs are classified as intramural R&D performers, whereas they were extramural in previous volumes; therefore, data are not directly comparable across volumes. Past years in the trend tables have been adjusted to reflect the current classification of FFRDCs. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.